

Patent Abstracts of Japan

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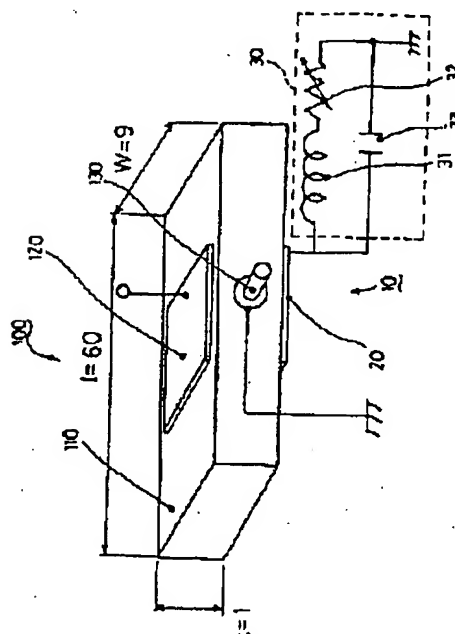
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TITLE : VIBRATION ISOLATING DEVICE



ABSTRACT : PURPOSE: To improve the vibration isolating performance of a machine vibration isolating device by adjusting the resistance component of an impedance element so as to make the sharpness of the resonance of a closed circuit composed of the capacity reactance component of an electric-mechanical converting element to convert vibrational energy and the impedance element coincide with the sharpness of the resonance of a machine.

CONSTITUTION: A prismatic metallic elastic body 110 provided with an exciting piezoelectric body 120 for an oscillator 100 supported by a supporting member 130 is provided with the vibration isolating shell piezoelectric body 20 of a vibration isolating device 10. An impedance element 30 composed of a coil 31, a variable resistance 32 and a capacitor 33 is connected to the above piezoelectric body 20. A variable resistance 32 is adjusted so as to make the sharpness of the resonance of a closed circuit composed of the capacity of the vibration isolating shell piezoelectric body 20 and the impedance element 30 coincide with the sharpness of the resonance of the oscillator 100.

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